ABSTRACT OF THE DISCLOSURE

A system for imaging electronic paper is disclosed. The system places a photoconductive layer into the electronic paper. For example, a layer of selenium, cadmium sulfide, photoconductive silicon, or any organic photoconductor (OPC) may be used in the photoconductive layer. The entire electronic paper is exposed to the same electrical potential (not selectively in a grid), but the electrostatic display cells are insulated from the electrical potential by the photoconductive layer. The photoconductive layer is then selectively illuminated by a focused light source (e.g., a scanning laser beam), thereby exposing selected electrostatic display cells to the electrical potential and writing an image to the electronic paper. In this manner, electronic paper may be imaged using existing high-resolution laser printing mechanisms.